

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,116,441 B1  
APPLICATION NO. : 09/467984  
DATED : October 3, 2006  
INVENTOR(S) : Hirochika Matsuoka

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Title Page

[54] TITLE

Title: "SIGNAL PROCESSING APPARATUS IMAGE PROCESSING APPARATUS AND THEIR METHODS" should read  
--SIGNAL PROCESSING APPARATUS, IMAGE PROCESSING APPARATUS AND THEIR METHODS--.

SHEET 26

Figure 28, "RANG" (both occurrences) should read --RANGE--.

COLUMN 1

Line 1, "APPARATUS" should read --APPARATUS,--.  
Line 16, "A computer" should read --In a computer--.

COLUMN 2

Line 5, "situation," should read --situations,--.

COLUMN 9

Line 35, "tot he" should read --to the--.

COLUMN 22

Line 14, "f())=1" should read --f(0)=1--.

COLUMN 23

Line 4, "very" should read --much--.  
Line 63, "tion. Upper-limit" should read --tion. ¶ Upper-limit--.

COLUMN 24

Line 40, "B<sub>sup</sub>" should read --B<sub>sup</sub>--.  
Line 43, "B<sub>sup.</sub>" should read --B<sub>sup.</sub>--.  
Line 46, "B<sub>sup.</sub>" should read --B<sub>sup.</sub>--; and  
"represent" should read --represents--.  
Line 48, "B<sub>sup.</sub>" should read --B<sub>sup.</sub>--.

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**COLUMN 31**

Line 50, "explained the" should read --explained in the--.

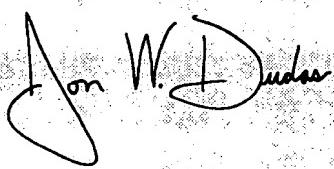
**COLUMN 34**

Line 7, "inputting" should read --an inputting--

Line 31, "mapping" should read --a mapping--.

Signed and Sealed this

Tenth Day of April, 2007



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*